

The reply filed on September 11, 2008 is not fully responsive to the prior Office Action because of the following omission(s) or matter(s):

Applicant still has not provided “the details of the prior art cooling system” used to cool the prior art testhead. All applicant has done is to add a few legends to the drawing submitted March 28, 2008 (and stated that the prior art testhead was a “six-degrees of freedom” device that could be used in an inverted position) making the examiner’s understanding of how the components/instrument boards inside of the prior art testhead were cooled even less clear.

It appears from the September 11, 2008 version of the informal drawing that the testhead has a fan box on the side. What does it do, if anything, relative to the components (not shown in any of the September 11, 2008 drawing or the March 28, 2008 drawing) inside the testhead as far as cooling them? If it cools them, then illustrate, in an informal drawing similar to applicant’s original Figure 2 (i.e. in at least that much detail), how the air flows over what components/instrument boards. These are the details that the examiner is requiring so that the examiner will be in a position to properly assess if the cooling systems of the prior art patents ready of record would have been obvious to have used in place of the pre-existing prior art cooling system for the prior art testhead (the details of which applicant has yet to illustrate to the examiner). Illustrate in an informal drawing the details of the cooling device(s) inside of the prior art testhead.

If the examiner does not sufficiently understand applicant's prior art testhead cooling system, the examiner cannot perform his statutory duty of examining the obviousness/nonobviousness of modifying that prior art under 35 USC 103.

Mysteriously, applicant, in the September 11, 2008 drawing, has labeled a couple of nondescript boxes in the foreground of the drawing as "cooling distribution units". What do these "cooling distribution units" do, if anything, relative to the components/instrument boards (not shown in any of the September 11, 2008 drawing or the March 28, 2008 drawing) inside the prior art testhead as far as cooling them? If these "cooling distribution units" cool the instrument boards and/or other components inside the prior art testhead, then illustrate that in an informal drawing similar to Figure 2 (i.e. in at least as much detail). These are the details that the examiner is requiring so that the examiner will be in a position to properly assess if the cooling systems of the prior art patents ready of record would have been obvious to have used in place of the pre-existing prior art cooling system for the testhead (the details of which applicant has yet to illustrate to the examiner). Illustrate in an informal drawing the details of the cooling device(s) inside of the prior art testhead.

If the examiner does not sufficiently understand applicant's prior art testhead cooling system, the examiner cannot perform his statutory duty of examining the obviousness/nonobviousness of modifying that prior art under 35 USC 103.

See 37 CFR 1.111. Since the above-mentioned reply appears to be *bona fide*, applicant is given **ONE (1) MONTH or THIRTY (30) DAYS** from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John K. Ford whose telephone number is 571-272-4911. The examiner can normally be reached on Mon.-Fri. 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler can be reached on 571-272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/646,949
Art Unit: 3744

Page 5

/John K. Ford/
Primary Examiner, Art Unit 3744